



July 2009

DEPARTMENT OF EDUCATION
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 4

Test Date: March 2009
Code: 12451689
SAU: MSAD 51
School: North Yarmouth Memorial School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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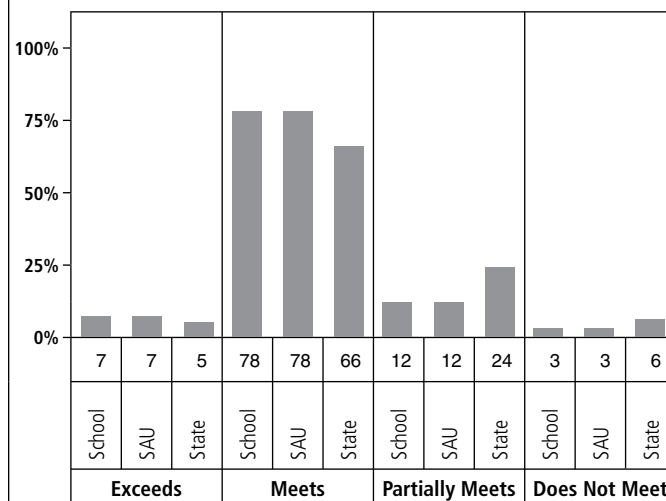
SUMMARY OF SCORES

Test Date: March 2009
Grade: 4
SAU: MSAD 51
School: North Yarmouth Memorial School

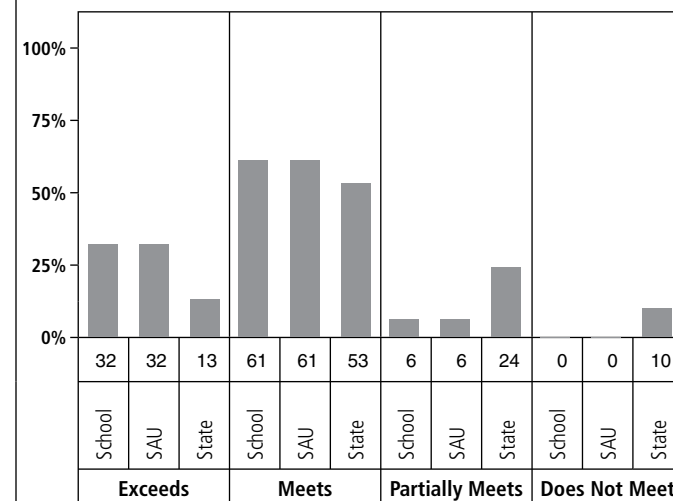
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	451	451	445
2007–2008	450	450	445
2008–2009	450	450	446
Cum. Avg.*	450	450	445
Mathematics			
2006–2007	453	453	445
2007–2008	453	453	445
2008–2009	457	457	446
Cum. Avg.*	454	454	445

ELA – READING



MATHEMATICS



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009
Grade: 4
SAU: MSAD 51
School: North Yarmouth Memorial School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																	
							ELA-Reading						Mathematics											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	161	100	161	100	13805	100	159	99	159	99	13737	100	159	99	159	99	13746	100						
Ethnicity African American/Black	0	0	0	0	419	3	0	0	0	0	410	98	0	0	0	0	416	99						
American Indian or Native Alaskan	0	0	0	0	125	1	0	0	0	0	124	99	0	0	0	0	124	99						
Asian or Pacific Islander	3	2	3	2	229	2	3	100	3	100	223	97	3	100	3	100	227	99						
Hispanic	3	2	3	2	149	1	3	100	3	100	148	99	3	100	3	100	148	99						
Caucasian/White	155	96	155	96	12883	93	153	99	153	99	12832	100	153	99	153	99	12831	100						
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Identified disability	22	14	22	14	2383	17	21	95	21	95	2366	100	21	95	21	95	2364	99						
Current LEP	0	0	0	0	377	3	0	0	0	0	362	96	0	0	0	0	373	99						
Economically disadvantaged	13	8	13	8	5819	42	13	100	13	100	5782	99	13	100	13	100	5788	100						
Migrant	0	0	0	0	6	0	0	0	0	0	6	100	0	0	0	0	6	100						

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics											
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	139	86	139	86	10439	76	139	86	139	86	10471	76						
Identified disability (PET/IEP)	2	1	2	1	351	3	2	1	2	1	367	4						
LEP	0	0	0	0	171	2	0	0	0	0	172	2						
504 plan	1	1	1	1	92	1	1	1	1	1	90	1						
Participation with accommodations	18	11	18	11	3142	23	18	11	18	11	3138	23						
Identified disability (PET/IEP)	17	94	17	94	1860	59	17	94	17	94	1860	59						
LEP	0	0	0	0	186	6	0	0	0	0	198	6						
504 plan	0	0	0	0	71	2	0	0	0	0	73	2						
Other	1	6	1	6	1060	34	1	6	1	6	1043	33						
Participation through alternate assessment (PAAP)	2	1	2	1	155	1	2	1	2	1	137	1						
Identified disability (PET/IEP)	2	100	2	100	155	100	2	100	2	100	137	100						
LEP	0	0	0	0	4	3	0	0	0	0	3	2						
504 plan	0	0	0	0	0	0	0	0	0	0	0	0						
Approved non-participation in reading – 1st year LEP	0	0	0	0	1	0												
Approved non-participation – special consideration	0	0	0	0	11	0	0	0	0	0	11	0						
Non-participation – other	2	1	2	1	57	0	2	1	2	1	48	0						

¹Percents are the percentage of students enrolled in each participation category.

²Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2009
Grade: 4
SAU: MSAD 51
School: North Yarmouth Memorial School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 462–480)	2006-2007	12	7	12	7	507	4
	2007-2008	24	13	24	13	559	4
	2008-2009	11	7	11	7	672	5
	Cum. Total*	47	9	47	9	1738	4
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 442–460)	2006-2007	140	85	141	85	8749	63
	2007-2008	119	65	119	65	8308	59
	2008-2009	123	78	123	78	8917	66
	Cum. Total*	382	75	383	76	25974	63
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 432–440)	2006-2007	9	5	9	5	3467	25
	2007-2008	29	16	29	16	3922	28
	2008-2009	19	12	19	12	3241	24
	Cum. Total*	57	11	57	11	10630	26
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 400–430)	2006-2007	4	2	4	2	1165	8
	2007-2008	12	7	12	7	1264	9
	2008-2009	4	3	4	3	751	6
	Cum. Total*	20	4	20	4	3180	8

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	48	100	34.3	71.5	34.3	71.5	31.6	65.8
A1/A2 Interconnected Elements/Literary Text	24	50	17.5	72.9	17.5	72.9	16.1	67.1
A1/A3 Interconnected Elements/Informational Text	24	50	16.8	70.0	16.8	70.0	15.5	64.6

The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:
<http://www.maine.gov/education/lres/pei/index.html>.

ELA-READING RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 4
 SAU: MSAD 51
 School: North Yarmouth Memorial School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	157	11	7	123	78	19	12	4	3	450	157	7	78	12	3	450	13581	5	66	24	6	446
Ethnicity																						
African American/Black	0										0						408	2	51	31	16	441
American Indian or Native Alaskan	0										0						122	1	59	34	6	444
Asian or Pacific Islander	3										3						221	9	62	22	7	447
Hispanic	3										3						146	1	64	28	6	445
Caucasian/White	151	11	7	119	79	17	11	4	3	450	151	7	79	11	3	450	12684	5	66	24	5	446
Not Reported	0										0						0					
Identified disability																						
Yes	19	1	5	9	47	6	32	3	16	441	19	5	47	32	16	441	2211	1	39	42	18	439
No	138	10	7	114	83	13	9	1	1	451	138	7	83	9	1	451	11370	6	71	20	3	448
Current LEP																						
Yes	0										0						357	3	42	36	19	440
No	157	11	7	123	78	19	12	4	3	450	157	7	78	12	3	450	13224	5	66	24	5	446
Economically disadvantaged																						
Yes	12	0	0	7	58	2	17	3	25	441	12	0	58	17	25	441	5677	2	57	32	9	443
No	145	11	8	116	80	17	12	1	1	450	145	8	80	12	1	450	7904	7	72	18	3	448
Migrant																						
Yes	0										0						6	0	67	33	0	445
No	157	11	7	123	78	19	12	4	3	450	157	7	78	12	3	450	13575	5	66	24	6	446
Gender																						
Female	74	7	9	59	80	6	8	2	3	451	74	9	80	8	3	451	6580	7	68	21	5	448
Male	83	4	5	64	77	13	16	2	2	448	83	5	77	16	2	448	7001	3	64	27	6	445
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						2127	1	48	42	9	441
No	157	11	7	123	78	19	12	4	3	450	157	7	78	12	3	450	11454	6	69	20	5	447
Gifted/talented program																						
Yes	4										4						324	27	72	1	0	458
No	153	9	6	121	79	19	12	4	3	449	153	6	79	12	3	449	13257	4	65	24	6	446

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA-READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 4
SAU: MSAD 51
School: North Yarmouth Memorial School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	2	0	0	2	67	1	33	0	0	451	2	0	67	33	0	451	4	2	45	36	17	441
B. less than one hour	71	8	7	87	78	14	13	3	3	449	71	7	78	13	3	449	75	5	67	23	4	447
C. one to two hours	25	3	8	32	82	3	8	1	3	451	25	8	82	8	3	451	18	5	67	23	5	447
D. more than two hours	2	0	0	2	67	1	33	0	0	447	2	0	67	33	0	447	2	3	45	36	16	442
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	41	8	12	49	75	6	9	2	3	451	41	12	75	9	3	451	40	8	71	17	4	449
B. good	47	3	4	61	82	9	12	1	1	450	47	4	82	12	1	450	45	3	66	25	5	446
C. fair	11	0	0	12	71	4	24	1	6	444	11	0	71	24	6	444	13	1	54	35	10	442
D. poor	1	0	0	1	100	0	0	0	0	446	1	0	100	0	0	446	2	0	39	42	19	439
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	27	1	2	37	86	5	12	0	0	451	27	2	86	12	0	451	31	8	69	19	4	448
B. They match some of what I have learned.	65	9	9	78	76	12	12	3	3	450	65	9	76	12	3	450	53	4	68	23	4	447
C. They match just a little of what I have learned.	6	1	10	6	60	2	20	1	10	445	6	10	60	20	10	445	11	2	54	35	10	442
D. There is no match.	1	0	0	2	100	0	0	0	0	449	1	0	100	0	0	449	4	1	39	40	20	439
How hard was the reading part of this test?																						
A. harder than my regular schoolwork	17	0	0	20	77	5	19	1	4	446	17	0	77	19	4	446	19	4	54	31	11	443
B. about the same as my regular schoolwork	62	5	5	82	84	9	9	2	2	451	62	5	84	9	2	451	63	6	69	22	4	447
C. easier than my regular schoolwork	21	6	18	21	64	5	15	1	3	449	21	18	64	15	3	449	18	4	68	23	5	446
How hard were the reading passages on this test?																						
A. Most of the passages were harder than what I normally read.	7	0	0	7	64	2	18	2	18	441	7	0	64	18	18	441	13	0	39	43	17	439
B. Most of the passages were about the same as what I normally read.	51	1	1	68	86	9	11	1	1	448	51	1	86	11	1	448	52	4	69	24	4	446
C. Most of the passages were easier than what I normally read.	42	10	15	47	71	8	12	1	2	452	42	15	71	12	2	452	35	9	72	16	3	449
How much time do you spend reading at home each day?																						
A. more than one hour	22	4	12	29	85	1	3	0	0	453	22	12	85	3	0	453	21	8	68	19	5	448
B. 20 minutes to an hour	67	7	7	83	79	11	10	4	4	449	67	7	79	10	4	449	55	5	70	21	4	447
C. less than 20 minutes	9	0	0	10	71	4	29	0	0	445	9	0	71	29	0	445	13	2	57	33	8	443
D. I rarely read at home.	3	0	0	1	25	3	75	0	0	439	3	0	25	75	0	439	11	1	51	37	11	442
How many pages do you read in school and to complete homework assignments?																						
A. five or fewer pages	26	2	5	30	75	7	18	1	3	448	26	5	75	18	3	448	25	3	59	30	8	444
B. six to ten pages	8	0	0	11	85	2	15	0	0	447	8	0	85	15	0	447	24	4	64	26	6	445
C. eleven or more pages	65	9	9	79	79	10	10	2	2	451	65	9	79	10	2	451	51	7	70	20	4	448
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	100	0	0	1	100	0	0	0	0	448	100	0	100	0	0	448						

MATHEMATICS RESULTS

Test Date: March 2009
Grade: 4
SAU: MSAD 51
School: North Yarmouth Memorial School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 462–480)	2006-2007	33	20	33	20	1054	8
	2007-2008	41	22	41	22	1321	9
	2008-2009	51	32	51	32	1712	13
	Cum. Total*	125	25	125	25	4087	10
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 442–460)	2006-2007	107	65	108	65	7394	53
	2007-2008	109	59	109	59	7079	51
	2008-2009	96	61	96	61	7270	53
	Cum. Total*	312	62	313	62	21743	52
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 430–440)	2006-2007	21	13	21	13	3729	27
	2007-2008	27	15	27	15	3955	28
	2008-2009	10	6	10	6	3219	24
	Cum. Total*	58	11	58	11	10903	26
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 400–428)	2006-2007	4	2	4	2	1735	12
	2007-2008	7	4	7	4	1642	12
	2008-2009	0	0	0	0	1408	10
	Cum. Total*	11	2	11	2	4785	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Mathematics Total Points	48	100	37.1	77.3	37.1	77.3	30.8	64.2
A. Number	20	42	15.9	79.5	15.9	79.5	12.5	62.5
B. Data	8	17	6.1	76.3	6.1	76.3	5.3	66.3
C. Geometry	10	21	7.4	74.0	7.4	74.0	6.5	65.0
D. Algebra	10	21	7.7	77.0	7.7	77.0	6.5	65.0

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.

MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 4
 SAU: MSAD 51
 School: North Yarmouth Memorial School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	157	51	32	96	61	10	6	0	0	457	157	32	61	6	0	457	13609	13	53	24	10	446
Ethnicity																						
African American/Black	0										0						415	5	41	30	24	439
American Indian or Native Alaskan	0										0						123	12	46	28	13	445
Asian or Pacific Islander	3										3						225	22	45	20	12	448
Hispanic	3										3						147	3	58	30	10	443
Caucasian/White	151	51	34	90	60	10	7	0	0	457	151	34	60	7	0	457	12699	13	54	23	10	447
Not Reported	0										0						0					
Identified disability																						
Yes	19	3	16	12	63	4	21	0	0	451	19	16	63	21	0	451	2227	3	34	33	30	437
No	138	48	35	84	61	6	4	0	0	458	138	35	61	4	0	458	11382	14	57	22	7	448
Current LEP																						
Yes	0										0						370	7	35	31	27	439
No	157	51	32	96	61	10	6	0	0	457	157	32	61	6	0	457	13239	13	54	23	10	447
Economically disadvantaged																						
Yes	12	0	0	10	83	2	17	0	0	447	12	0	83	17	0	447	5704	6	48	30	16	442
No	145	51	35	86	59	8	6	0	0	458	145	35	59	6	0	458	7905	18	57	19	6	450
Migrant																						
Yes	0										0						6	17	33	50	0	448
No	157	51	32	96	61	10	6	0	0	457	157	32	61	6	0	457	13603	13	53	24	10	446
Gender																						
Female	74	24	32	45	61	5	7	0	0	456	74	32	61	7	0	456	6591	12	54	24	11	446
Male	83	27	33	51	61	5	6	0	0	457	83	33	61	6	0	457	7018	13	53	24	10	447
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						2131	3	41	38	18	440
No	157	51	32	96	61	10	6	0	0	457	157	32	61	6	0	457	11478	14	56	21	9	448
Gifted/talented program																						
Yes	4										4						324	64	34	2	0	464
No	153	47	31	96	63	10	7	0	0	456	153	31	63	7	0	456	13285	11	54	24	11	446

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
 Grade: 4
 SAU: MSAD 51
 School: North Yarmouth Memorial School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	2	2	67	0	0	1	33	0	0	457	2	67	0	33	0	457	4	4	37	30	28	438
B. less than one hour	71	36	32	68	61	8	7	0	0	457	71	32	61	7	0	457	75	13	55	23	9	447
C. one to two hours	25	12	31	26	67	1	3	0	0	456	25	31	67	3	0	456	18	12	54	24	10	446
D. more than two hours	2	1	33	2	67	0	0	0	0	456	2	33	67	0	0	456	2	7	39	29	25	440
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	27	25	58	16	37	2	5	0	0	463	27	58	37	5	0	463	37	22	56	16	7	451
B. good	59	24	26	63	68	5	5	0	0	456	59	26	68	5	0	456	45	9	56	25	9	446
C. fair	13	2	10	16	76	3	14	0	0	449	13	10	76	14	0	449	14	3	46	34	17	440
D. poor	1	0	0	1	100	0	0	0	0	446	1	0	100	0	0	446	3	2	33	35	29	436
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	34	25	47	26	49	2	4	0	0	460	34	47	49	4	0	460	35	19	56	19	7	450
B. They match some of what I have learned.	59	23	25	63	68	6	7	0	0	455	59	25	68	7	0	455	51	11	56	25	8	446
C. They match just a little of what I have learned.	6	1	10	7	70	2	20	0	0	449	6	10	70	20	0	449	10	5	43	31	21	440
D. There is no match.	1	2	100	0	0	0	0	0	0	472	1	100	0	0	0	472	4	3	26	33	37	434
How hard was the mathematics part of this test?																						
A. harder than my regular schoolwork	10	1	7	13	87	1	7	0	0	450	10	7	87	7	0	450	17	5	44	31	20	441
B. about the same as my regular schoolwork	61	24	25	65	68	6	6	0	0	455	61	25	68	6	0	455	62	13	57	23	7	448
C. easier than my regular schoolwork	29	26	58	16	36	3	7	0	0	463	29	58	36	7	0	463	21	18	53	19	10	449
On average, how many minutes a day do you spend working on mathematics in class?																						
A. less than 30 minutes	1	1	100	0	0	0	0	0	0	470	1	100	0	0	0	470	7	6	36	32	27	438
B. 30–45 minutes	8	0	0	10	83	2	17	0	0	449	8	0	83	17	0	449	25	7	52	28	12	444
C. 45–60 minutes	64	35	35	61	60	5	5	0	0	457	64	35	60	5	0	457	38	14	56	22	8	448
D. more than 60 minutes	27	15	35	25	58	3	7	0	0	457	27	35	58	7	0	457	30	18	56	19	7	449
How often do you use calculators in mathematics class?																						
A. almost every day	2	2	67	0	0	1	33	0	0	459	2	67	0	33	0	459	3	4	36	31	28	438
B. two or three days a week	27	22	52	17	40	3	7	0	0	461	27	52	40	7	0	461	12	13	51	26	10	446
C. two or three times each month	50	17	22	60	77	1	1	0	0	455	50	22	77	1	0	455	32	15	58	20	7	449
D. never or almost never	22	10	29	19	56	5	15	0	0	455	22	29	56	15	0	455	53	11	53	25	11	446
How often do you use hands-on materials in mathematics class?																						
A. almost every day	44	23	33	40	58	6	9	0	0	457	44	33	58	9	0	457	26	12	50	25	13	445
B. two or three days a week	40	20	32	39	62	4	6	0	0	456	40	32	62	6	0	456	32	14	57	21	7	448
C. two or three times each month	8	3	25	9	75	0	0	0	0	458	8	25	75	0	0	458	26	13	56	22	8	448
D. never or almost never	8	5	42	7	58	0	0	0	0	460	8	42	58	0	0	460	17	9	50	27	13	444
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	100	0	0	1	100	0	0	0	0	446	100	0	100	0	0	446						

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